

Atty's Docket:10,203
USS 09/424,686
Hagen et al.,

IN THE CLAIMS

Cancel claims 16-19, 26-29, and 36-39.

Amend claims 14, 15, 20-23, as follows:

14. (Amended) An isolated and purified nucleic acid sequence selected from the group

consisting of:

- a) a variant nucleic acid sequence of SEQ ID NO.: 1, as described by SEQ ID NO: 9;
- b) a variant nucleic acid sequence of SEQ ID NO.: 1, as described by SEQ ID NO: 10;
- c) a variant nucleic acid sequence of SEQ ID NO.: 1, as described by SEQ ID NO: 12; and
- d) a variant of SEQ ID NO.: 1 as described by SEQ ID NO: 11.
- e) a nucleotide sequence that is at least 85% identical to those described in a), b), c) or d), or a sequence complementary thereof, and wherein said variant encodes for active polypeptide having telomerase activity.
- f) a sequence variant of the sequence described in a), b), c) or d) that results from the degeneracy of the genetic code, or a sequence complementary to said sequence variant, wherein the sequence variant encodes a polypeptide having telomerase activity.

15 (Amended) An isolated and purified nucleic acid sequence according to claim 14, which encodes a protein having the catalytic activity of the protein of SEQ ID NO.: 2.

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20. (Amended) An isolated and purified nucleic acid sequence according to claim 14, which is a variant of SEQ ID NO.: 1, said variant having the sequence described in SEQ ID NO: 9, wherein nucleotides 2184 to 2219 of SEQ ID NO.: 1 have been deleted.

21. (Amended) An isolated and purified nucleic acid sequence according to claim 14, which is a variant of SEQ ID NO.: 1, , said variant having the sequence described in SEQ ID NO: 10, wherein nucleotides 2184 to 2219 and 2345 to 2526 of SEQ ID NO.: 1 have been deleted.

22. (Amended) An isolated and purified nucleic acid sequence according to claim 14, which is a variant of SEQ ID NO.: 1, wherein nucleotides 3219 to 3842 of SEQ ID NO.: 1 have been replaced so that said variant has the sequence described in SEQ ID NO: 12.

CONDITIONAL PETITION FOR EXTENSION OF TIME

If any extension of time for this response is required, Applicants request that this be considered a petition therefore. Please charge the required fee to Deposit Account No. 14-1263.

ADDITIONAL FEES

Please charge any further insufficiency of fees, or credit any excess to Deposit Account No. 14-1263.

REMARKS

Claims 14-46 were pending. Claims 14, 15, and 20-23 were amended.

Claims 16-19, 26-29, and 36-39 were canceled as being drawn to nonelected subject matter. No amendment adds new matter.

Claims 14, 15, 20-25, 30-35, and 40-46 are pending.